

# Diego Alba

(901)602-1178

dalba3@gatech.edu

Website

Tristar

Github



## Objective

Currently looking for summer internships as software developer; open to learning and or refining skills in a programming language for said internship.

## Education

**Georgia Institute of Technology** - 4.00 GPA

Atlanta, GA

Computer Science; expected graduation Fall/Spring 2025

Clubs / Org: GTXR, GT Chess.

## Skills

### Programming Languages

Very experienced with Java (JDK 8), Python (Python3), HTML, CSS (Bootstrap 4, 5, vanilla css), javascript. Recently started learning c++.

### CAD

Utilized Fusion360 occasionally, but much more familiar with OnShape; helped teammates design parts for our robotics team; currently use it for personal projects (example shown at bottom of page).

## Work Experience

### GVU Research Center Assistant Data Analyst (Paid)

Atlanta, GA | ~10hrs / week | Aug 2021 - present (Ref: 678-231-0787 | jpreston@cc.gatech.edu)

Worked at Georgia Tech's GVV (Graphics, Visualization, and Usability) Research Center as a data analyst; built custom html parser using python to extract data; average data set had 500+ entries; provided suggestions regarding how best to visualize data sets; worked with existing codebase.

### GTXR Simulation Team Programmer

Atlanta, GA | ~7hrs / week | Aug 2021 - present

Modified the current codebase to allow for iterative optimization of rocket parts; implemented various optimization algorithms (i.e., Genetic Algorithm); used python3 libraries such as rocketpy, numpy, and matlab.

### Co-Founder Tristar Rings (Paid)

Memphis, TN | ~9hrs / week | Nov 2019 - present (Ref: 901-483-5179)

Worked with 2 other classmates to sell graduation rings to our school; sold 31 rings; made \$700 in profit; sold 17 additional rings to local businesses.

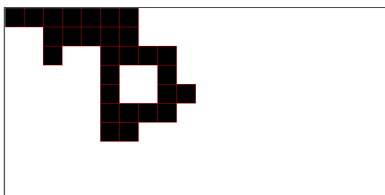
### Construction (Paid)

Memphis, TN | ~7hrs / week | Summer 2020

Worked in a local construction company cleaning the floors, and learning; later helped cut and place drywall and sheetrock.

## Projects

Evolutionary Design of 2D Airplane Wings



Modelling Impact Force of a NERF Gun Bullet



Homemade Propane Furnace

